



Met Brief, 20110330

- Chance of showers locally today in the post frontal region. Clearing during the day, followed by sunny and mild weather through Sunday. Some chance (20%) of showers and thundershowers Monday and Tuesday, with possible winds out of limits Monday night accompanying a frontal passage.
- Cirrus forecast southeast of us is verifying. Indications are that tops will be 30-35 kft. Cirrus will continue to move northeastward. Winds are about 90 knots at 248. Midlevel cloud is minimal. Low overcast will persist, and there is low cloud off the coast.
- Friday looks largely cirrus-free at this time as the eastward progress of a strong ridge to the west of us moves the upper level moist air eastward. RH values are forecast to be high over Oklahoma at 250mb, however, so thin cirrus may materialize. Saturday looks better for cirrus over the ARM SGP site.



Your National Weather Service forecast

3 Miles SSW Pasadena TX



Enter Your "City, ST" or zip code

[BOOKMARK](#)

NWS Houston, TX










Point Forecast: 3 Miles SSW Pasadena TX
29.61°N 95.16°W (Elev. 33 ft)

Mobile Weather Information | En Español

Last Update: 5:04 am CDT Mar 30, 2011

Forecast Valid: 10am CDT Mar 30, 2011-8pm CDT Apr 5, 2011

Forecast at a Glance

Today	Tonight	Thursday	Thursday Night	Friday	Friday Night	Saturday	Saturday Night	Sunday
								
Slight Chc Tstms	Partly Cloudy	Sunny	Partly Cloudy	Mostly Sunny	Mostly Clear	Mostly Sunny	Mostly Cloudy	Mostly Sunny
Hi 67 °F Lo 54 °F	Lo 54 °F	Hi 72 °F	Lo 58 °F	Hi 80 °F	Lo 65 °F	Hi 79 °F	Lo 68 °F	Hi 78 °F

Detailed 7-day Forecast

Today: A slight chance of showers and thunderstorms. Partly sunny, with a high near 67. North wind between 10 and 15 mph. Chance of precipitation is 20%.

Tonight: Partly cloudy, with a low around 54. North wind between 5 and 10 mph.

Thursday: Sunny, with a high near 72. North wind around 5 mph becoming calm.

Thursday Night: Partly cloudy, with a low around 58. South wind between 5 and 10 mph.

Friday: Mostly sunny, with a high near 80. South wind between 5 and 15 mph.

Friday Night: Mostly clear, with a low around 65.

Saturday: Mostly sunny, with a high near 79.

Saturday Night: Mostly cloudy, with a low around 68.

Sunday: Mostly sunny, with a high near 78.

Sunday Night: Partly cloudy, with a low around 68.

Monday: A 20 percent chance of showers and thunderstorms. Partly sunny and breezy, with a high near 81.

Monday Night: A 30 percent chance of showers and thunderstorms. Mostly cloudy and windy, with a low around 57.

Tuesday: A 20 percent chance of showers and thunderstorms. Sunny, with a high near 69.

Current Conditions

[\[Move Down\]](#)

[view Yesterday's Weather](#)

Houston / Ellington

Lat: 29.62 Lon: -95.17 Elev: 39

Last Update on Mar 30, 8:50 am CDT

Overcast

57 °F
(14 °C)

Humidity: 82 %

Wind Speed: N 10 MPH


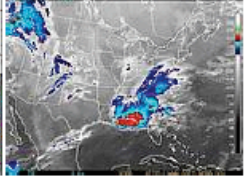
Barometer: 30.01"

Dewpoint: 52 °F (11 °C)

Visibility: 10.00 mi.

More Local Wx: [3 Day History:](#)

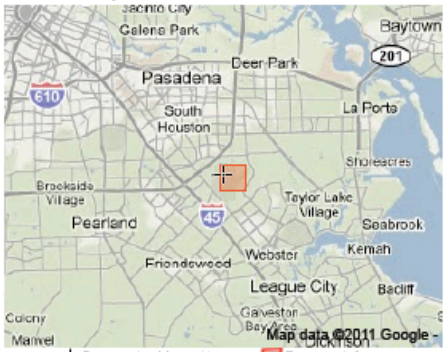
Radars and Satellite Images

Detailed Point Forecast

[Click Map for Forecast](#)

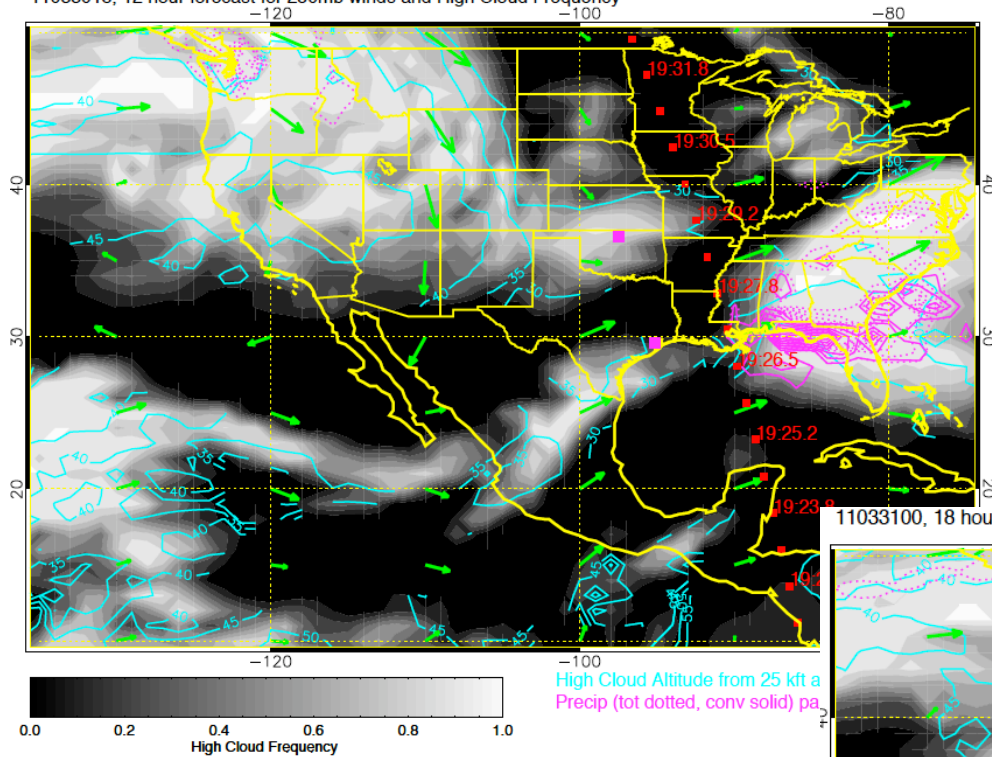
[Disclaimer](#)



Requested Location ■ Forecast Area

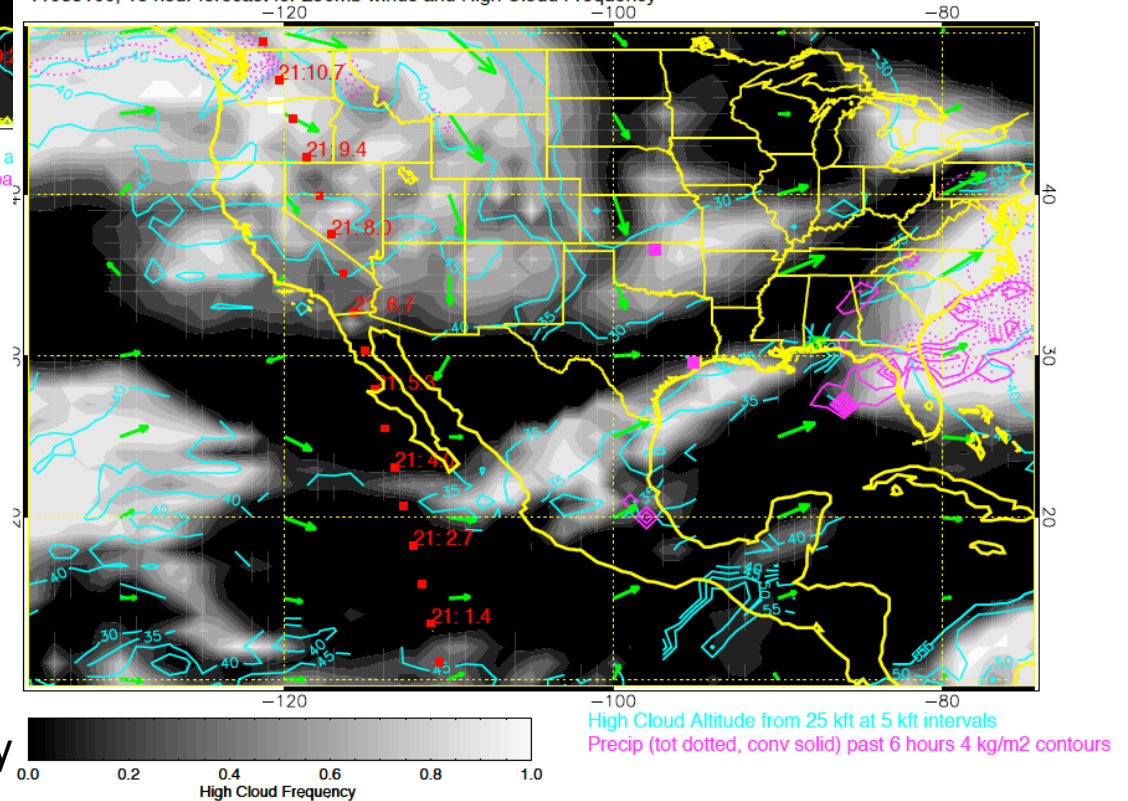
Lat/Lon: 29.61°N 95.16°W Elevation: 33 ft

11033018, 12 hour forecast for 250mb winds and High Cloud Frequency



Wednesday, 3/30,2011

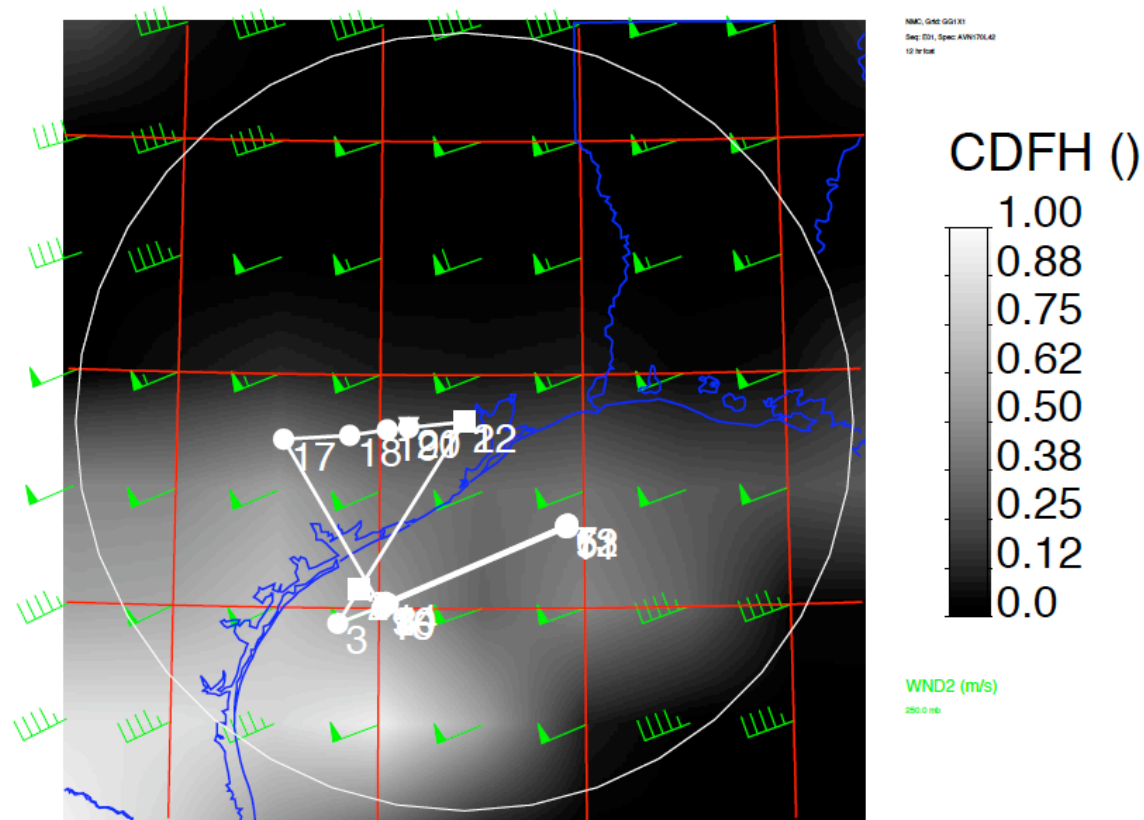
11033100, 18 hour forecast for 250mb winds and High Cloud Frequency



Cirrus associated with subtropical jet south and east of Ellington. Tops in the 35Kft range. Tropopause over Ellington will be about 38-39kft, though there is a strong gradient. Cloud forecast change from yesterday is minimal.

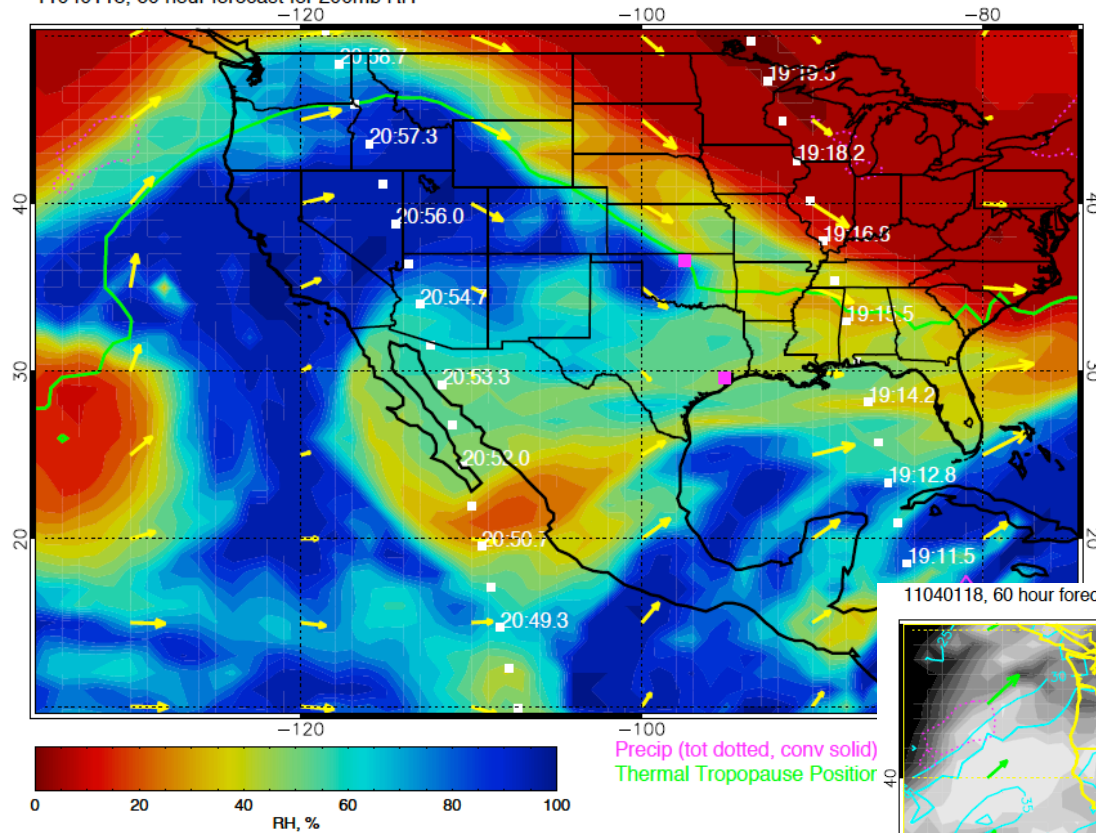
→ 50 m/s

18 UTC on 30 March, 2011 at 0.0 mb



Today's basic flight plan. Fly out to point 3 above at 43kft. Descend to 35kft and travel 100 nmi ENE. Descend 2 kft And do another leg WSW. Four times, then spiral ascent Through cloud (upward), then ascent to max altitude And return.

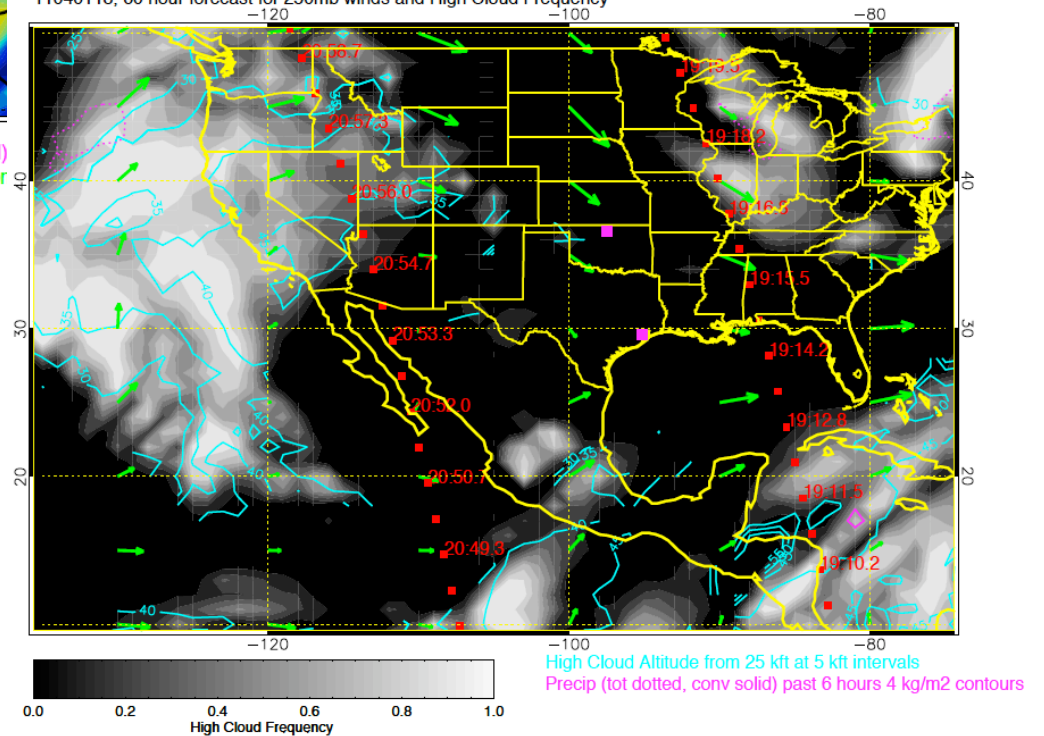
11040118, 60 hour forecast for 200mb RH



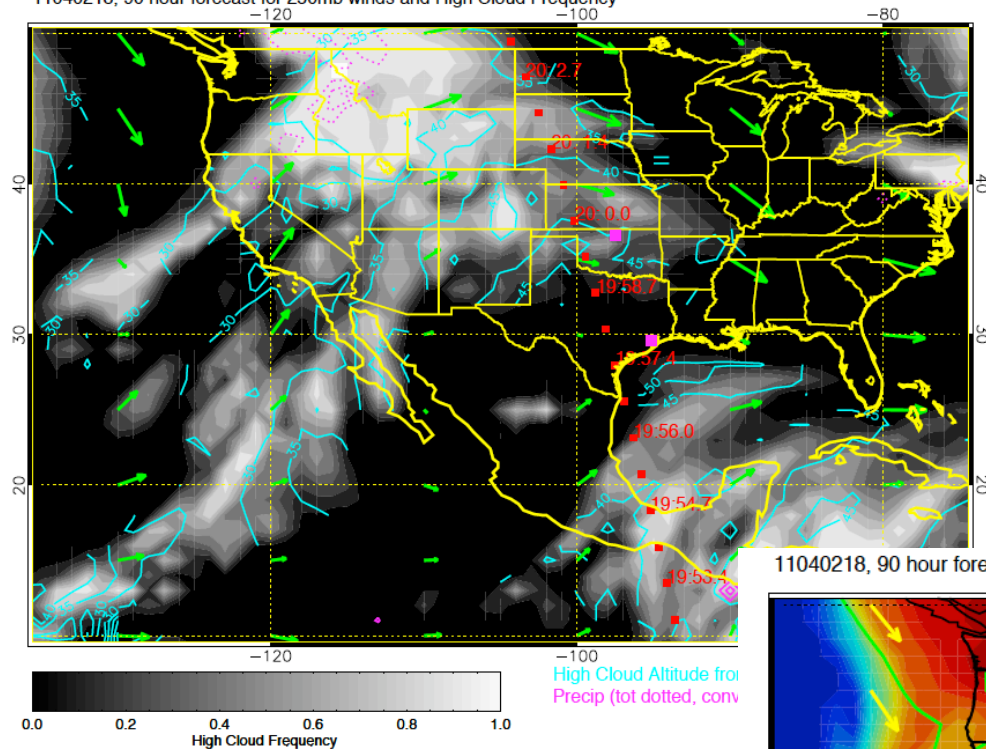
Friday, April 1, 2011

Looks cirrus free, no kidding. Some moistening has occurred over OK since yesterday's forecast.

11040118, 60 hour forecast for 250mb winds and High Cloud Frequency



11040218, 90 hour forecast for 250mb winds and High Cloud Frequency



→ 50 m/s

Saturday, the ridge moves eastward, bringing moist air over OK. Tropopause and cloud tops will be high, in the 40's. Note also the favorable CALIPSO orbit

11040218, 90 hour forecast for 250mb RH

